T06280 "22h0t660

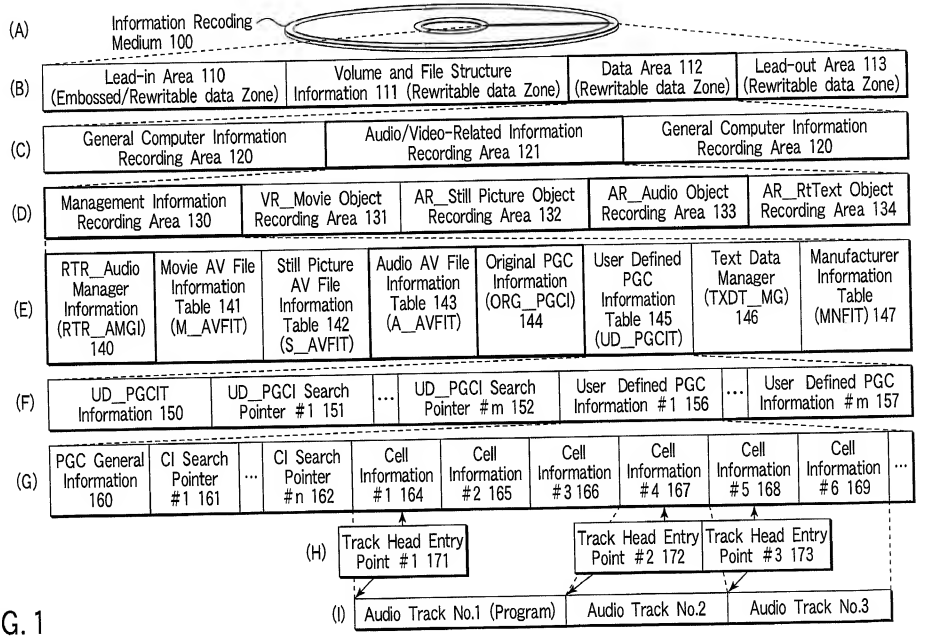

FIG. 1

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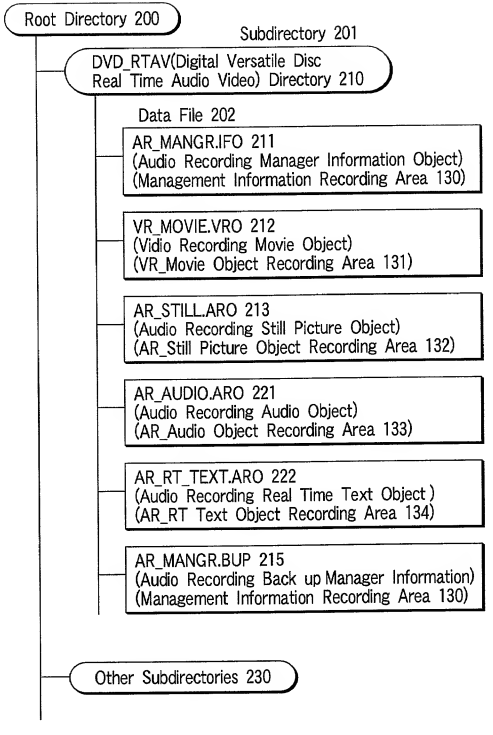
Root Directory 200
Subdirectory 201
DVD_RTAV(Digital Versatile Disc
Real Time Audio Video) Directory 210
Data File 202
AR_MANGR.IFO 211
(Audio Recording Manager Information Object)
(Management Information Recording Area 130)
VR_MOVIE.VRO 212
(Vidio Recording Movie Object)
(VR_Movie Object Recording Area 131)
AR_STILL.ARO 213
(Audio Recording Still Picture Object)
(AR_Still Picture Object Recording Area 132)
AR_AUDIO.ARO 221
(Audio Recording Audio Object)
(AR_Audio Object Recording Area 133)
AR_RT_TEXT.ARO 222
(Audio Recording Real Time Text Object)
(AR_RT Text Object Recording Area 134)
AR_MANGR.BUP 215
(Audio Recording Back up Manager Information)
(Management Information Recording Area 130)
Other Subdirectories 230

FIG. 2

EP 2 204 800 A2

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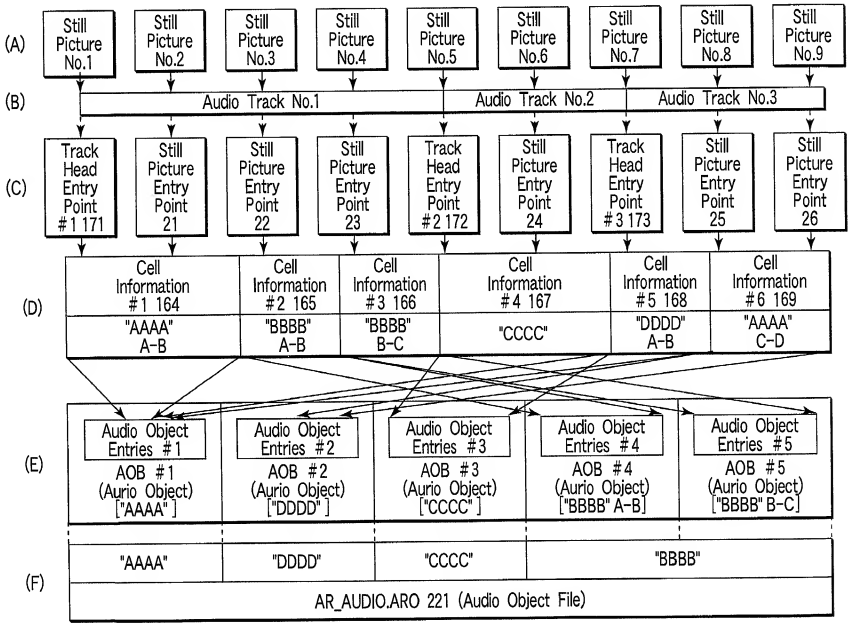


FIG. 3

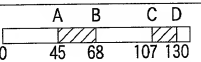
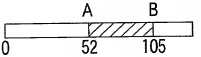
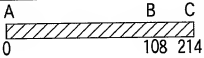
Original Tracks 1			
Track Title 3	Picture 5	Display Mode 7	Time Chart 11
"AAAA"		Slideshow Sequential	
"DDDD"		Slideshow Shuffle	
"CCCC"		Browsable Sequential	
"BBBB"		Browsable Randam	
.....	.....	.....	.....

FIG. 4A

Play List #1 2				
New Track Title 4	Mixing Rate 9	Display Mode 8	Still 10	Picture 6
New Track No.1 (Cl #1 164 + Cl #2 165 + Cl #3 166)	"AAAA" A—B "BBBB" A—B "BBBB" B—C	Slideshow Sequential	Original	
New Track No.2 (Cl #4 167)	"CCCC"	Browsable Random	Newly Set	
New Track No.3 (Cl #5 168 + Cl #6 169)	"DDDD" A—B & "AAAA" C—D	Slideshow Shuffle	Original	
.....	.....	.....	.....	.....

FIG. 4B

TO6280 '24h0t60

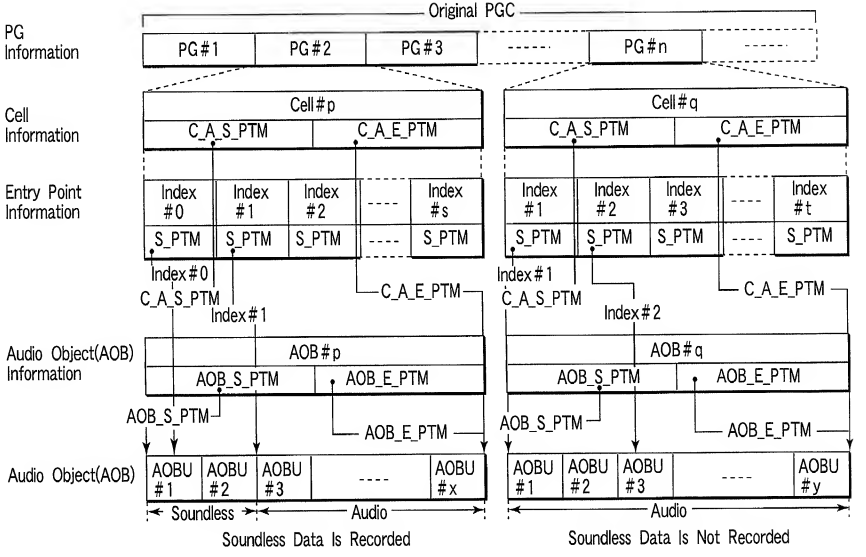


FIG. 5A

FIG. 5B

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EFS 2.2.6 (Build 1660)

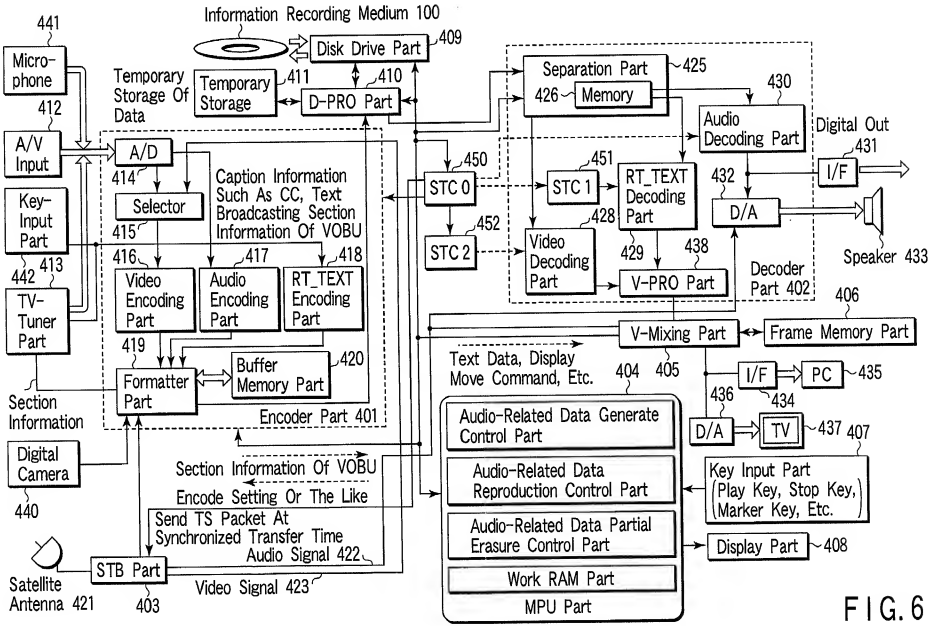

FIG. 6

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INVENTOR: Kazuhiro TAIRA, et al.
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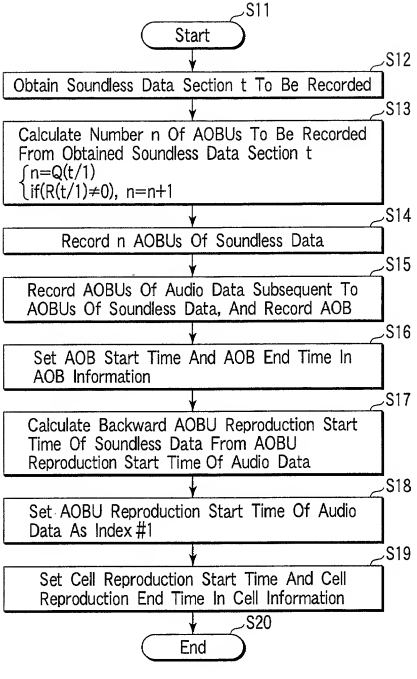
S11
Start
S12
Obtain Soundless Data Section t To Be Recorded
S13
Calculate Number n Of AOBUs To Be Recorded From Obtained Soundless Data Section t
n=Q(t/1)
if(R(t/1)≠0), n=n+1
S14
Record n AOBUs Of Soundless Data
S15
Record AOBUs Of Audio Data Subsequent To AOBUs Of Soundless Data, And Record AOB
S16
Set AOB Start Time And AOB End Time In AOB Information
S17
Calculate Backward AOBU Reproduction Start Time Of Soundless Data From AOBU Reproduction Start Time Of Audio Data
S18
Set AOBU Reproduction Start Time Of Audio Data As Index #1
S19
Set Cell Reproduction Start Time And Cell Reproduction End Time In Cell Information
S20
End

FIG. 7

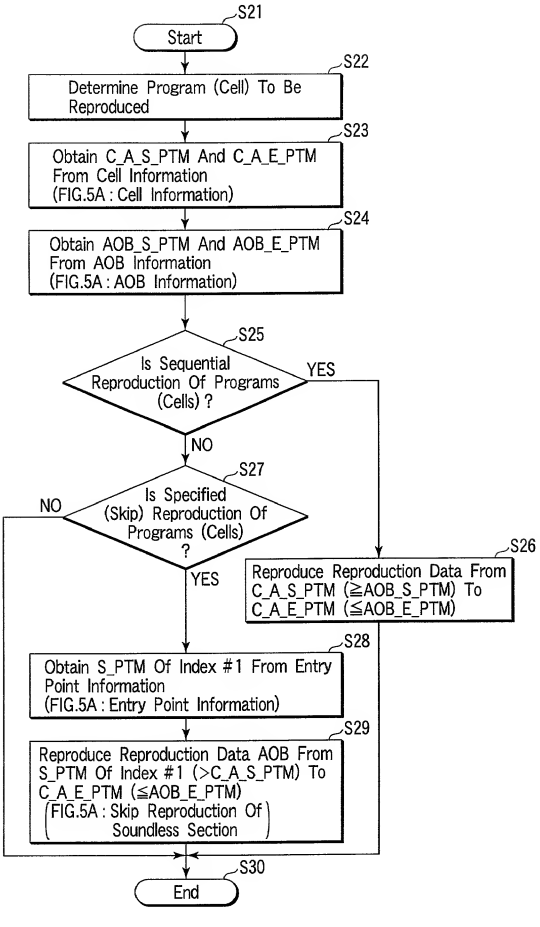
S21
Start
S22
Determine Program (Cell) To Be Reproduced
S23
Obtain C_A_S_PTM And C_A_E_PTM From Cell Information (FIG.5A : Cell Information)
S24
Obtain AOB_S_PTM And AOB_E_PTM From AOB Information (FIG.5A : AOB Information)
S25
Is Sequential Reproduction Of Programs (Cells) ?
YES
NO
S27
Is Specified (Skip) Reproduction Of Programs (Cells) ?
NO
YES
S26
Reproduce Reproduction Data From C_A_S_PTM (≧AOB_S_PTM) To C_A_E_PTM (≦AOB_E_PTM)
S28
Obtain S_PTM Of Index #1 From Entry Point Information (FIG.5A : Entry Point Information)
S29
Reproduce Reproduction Data AOB From S_PTM Of Index #1 (>C_A_S_PTM) To C_A_E_PTM (≦AOB_E_PTM)
(FIG.5A : Skip Reproduction Of Soundless Section)
S30
End

FIG. 8